

Title (en)  
A POWER STEERING DEVICE

Title (de)  
SERVOLENKUNK

Title (fr)  
DISPOSITIF DE DIRECTION ASSISTEE

Publication  
**EP 1016583 A4 20040303 (EN)**

Application  
**EP 98941692 A 19980902**

Priority  
• JP 9803943 W 19980902  
• JP 26236597 A 19970926

Abstract (en)  
[origin: EP1016583A1] A power steering device that produces a steering assist force by a hydraulic pressure generated by a motor-driven pump, comprising a steering angle detecting section (11, S1, S4) which detects an absolute steering angle based on a steering mid-point and a relative steering angle, a first control section (31, S6, S8-S10) which starts the motor when an absolute steering angle detected by the steering detection section exceeds a first threshold value, and a second control section (31, S6, S11, S9, S10) which, while the steering angle detection section is not detecting an absolute steering angle, starts the motor when the change of a steering angle is larger than a second threshold value that is smaller than the first threshold value. <IMAGE>

IPC 1-7  
**B62D 6/00**; **B62D 5/065**

IPC 8 full level  
**B62D 6/00** (2006.01); **B62D 5/04** (2006.01); **B62D 5/065** (2006.01); **B62D 101/00** (2006.01); **B62D 113/00** (2006.01)

CPC (source: EP US)  
**B62D 5/065** (2013.01 - EP US)

Citation (search report)  
• No further relevant documents disclosed  
• See references of WO 9916655A1

Cited by  
KR100968066B1; EP1602556A3; EP1990255A3; EP0987164A3; US7363134B2; WO0216181A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 1016583 A1 20000705**; **EP 1016583 A4 20040303**; **EP 1016583 B1 20080514**; BR 9806221 A 20000418; DE 69839488 D1 20080626; JP 3673377 B2 20050720; JP H1191610 A 19990406; US 6227328 B1 20010508; WO 9916655 A1 19990408

DOCDB simple family (application)  
**EP 98941692 A 19980902**; BR 9806221 A 19980902; DE 69839488 T 19980902; JP 26236597 A 19970926; JP 9803943 W 19980902; US 30861999 A 19990520